National Aeronautics and Space Administration

Research Opportunities in Space and Earth Science (ROSES) – 2020

Agenda

- What is ROSES (quickly)
- What's new in ROSES-2020:
  - ROSES-wide policy changes
    - Data Management Plan Changes
    - Dual Anonymous Peer Review
    - High Risk/High Impact Review
  - Individual program elements
- Keeping track of changes after release
- Other resources for proposers:
  - SARA web page
  - Serving on review panels
  - Where to find about past selections
- Max’s personal idiosyncratic advice

What is ROSES

"ROSES" = Research Opportunities in Space and Earth Sciences, An "omnibus" solicitation, which means many topics, many due dates, and the default rules (about all the boring stuff like fonts, policies etc.) is (mostly) relegated to the "Summary of Solicitation". See the ROSES-20 landing web page at: http://solicitation.nasaprs.com/ROSES2020

Once you have read it once you can focus on the science or technology in the short call.

Table 1 of ROSES

Table 1 of ROSES (in the "Summary of Solicitation) is a check list of the parts of the proposal, listing whether various components are excluded, optional, or mandatory, page limits etc., e.g.,

References: Third component of proposal		
	Length	No page limit
	Excluded	No references to documents unavailable to reviewers. See https://science.nasa.gov/researchers/sara/faqs#19.
Data Management Plan (DMP) fourth component of proposal		
	Length	2 pages
	Required	Unless otherwise stated, a DMP or explanation of why it is not needed must be provided in this section.
	Content	See Section II(c) and the DMP FAQ for content and templates.

Tables 2 and 3 of ROSES

The list of "Program elements" (calls for proposals) in ROSES are most easily found by book marking either Tables 2 and 3 of ROSES, web pages that list them either by date or by "Division" = Astrophysics, Earth Science…

http://solicitation.nasaprs.com/ROSES2020table2
and
http://solicitation.nasaprs.com/ROSES2020table3

Table 2 of ROSES (sorted by due date)

	Name of Program Element	NOI/Step 1 Due Date	Proposal Due Date
D.2	Astrophysics Data Analysis	03/31/2020	05/19/2020
A.7	Biodiversity	04/24/2020	05/22/2020
C.5	Exobiology	04/22/2020	05/22/2020
D.14	Theoretical and Computational Astrophysics Networks	N/A	05/28/2020
A.38	Health and Air Quality Applied Sciences Team	04/17/2020	05/29/2020
E.3	Exoplanets Research	03/27/2020 (Step-1)	05/29/2020 (Step-2)
[…]	[…]	[…]	[…]
[…]	[…]	[…]	[…]
D.3	Astrophysics Research and Analysis	10/23/2020 (mandatory NOIs)	12/17/2020

NOIs Optional →

NOIs Not Requested

Step-1 Mandatory →

NOI Mandatory →

Links for Later

- See Section I(c) of the ROSES Summary of Solicitation and
- http://science.nasa.gov/researchers/sara/faqs
- Budget FAQ: http://science.nasa.gov/researchers/sara/how-to-guide/nspires-CSlabor/
- Data management plans FAQ: http://science.nasa.gov/researchers/sara/faqs/dmp-faq-roses/
- Blog of ROSES amendments: http://science.nasa.gov/researchers/sara/grant-solicitations/roses-2020/
- Instructions for Google due date calendar is at: https://science.nasa.gov/researchers/sara/library-and-useful-links
- https://www.nasa.gov/open/researchaccess/pubspace

What's New: ROSES-wide policy changes

Data Management Plans will be peer reviewed and will be part of the grade given to the proposal.

Uniform expectations/requirements across all of ROSES regarding data and software. See Research Overviews (i.e., A.1, B.1, C.1…).

Dual-anonymous peer review (DAPR) will be used for the Astro GI/GO programs and four others

Identification and potential special evaluation of some high-risk high-impact proposals

Data Management Plans

Most proposals to ROSES must provide a data management plan (DMP) or an explanation of why one is not necessary given the nature of the work proposed. We have a whole FAQ about this topic at: https://science.nasa.gov/researchers/sara/faqs/dmp-faq-roses/

DMP changes this year include:

1. Unless the program element states otherwise, the sufficiency of the data management plan will be evaluated and will have a bearing on whether or not the proposal is selected.

Data Management Plans cont.

DMP changes this year include (cont.):

2. Whereas in past years most DMPs were collected in a mandatory plain text box on the NSPIRES cover pages, in ROSES-2020 the new default is that the data management plan must be placed in a 2-page section in the proposal PDF immediately following the references and citations for the S/T/M section of the proposal. This is how planetary has been doing it for years. In most cases the DMP does not count against the page limit for the S/T/M section.

Both Planetary and Helio have templates for the DMP (see notes for this slide)

Data Management Plans cont.

DMP changes this year include (cont.):

3. The exceptions that don't follow the default will say so explicitly and they are the programs for which the nature of the work is inexorably linked to the handling of data so DMP is part of the page-limited S/T/M section of the proposal. Examples include (at the moment): A.8 GEDI Science Team, B.7 Space Weather Science Applications, B.12 Heliophysics Data Environment Emphasis, C.4 Planetary Data Archiving, Restoration, and Tools, D.2 Astrophysics Data Analysis, D.13 Astrophysics USPI, D.14 Theoretical and Computational Astrophysics Networks, and E.3 The Exoplanets Research Program.

Uniform requirements re: software

Starting in ROSES-2020 we have a consistent default approach to software (See A.1, B.1, C.1…). By default, ROSES still does not require that code be made public (though individual program elements may still supersede the default and do so). The ROSES default is that "Software, whether a stand-alone program, an enhancement to existing code, or a module that interfaces with existing codes, created as part of a ROSES award, should be made publicly available when it is practical and feasible to do so, and when there is scientific utility in doing so. Stand-alone code that is not straightforward to implement, or whose utility is significantly outweighed by the costs to share it, is not expected to be made available."

Uniform requirements re: software, cont.

When it is made available "SMD expects that the source code, with associated documentation sufficient to enable use of the code, will be made publicly available as Open Source Software (OSS) under an appropriately permissive license. For definitions of OSS and examples of the kinds of software envisioned (Analysis software, Libraries, and Frameworks) please see the Research Overview (A.1, B.1, C.1…) for the program element to which you plan to send a proposal. Please note that some elements, such as A.9 Physical Oceanography and A.14 Ocean Surface Topography Science Team, require a separate Software Development Plan.

Dual-anonymous peer review

The dual-anonymous peer review (DAPR) process is one in which, not only are proposers unaware of the identity of the members on the review panel (normal), but the reviewers are not told the identity of the proposers until after the evaluation of the proposals (and only then the selectable ones). In ROSES-20 the programs evaluating proposals using DAPR are:

A.28 The Earth Science U.S. Participating Investigator,
B.4, Heliophysics Guest Investigators-Open,
D.2 Astrophysics Data Analysis,
Astrophysics Guest Investigator/Observer/Scientist Calls (i.e., D.5, D.6, and D.9-D.12), and
E.4 Habitable Worlds.

Dual-anonymous peer review, cont.

Proposers to these programs must provide two separate documents: an anonymized version of the proposal for peer review and a non-anonymized document that contains elements of the proposal that would reveal the identities and affiliations of participating researchers, such as expertise, facilities and resources. The latter will be revealed to the panel only after the evaluation of all proposals and only for a subset of selectable proposals (typically the top third). If there are clear, compelling deficiencies in the expertise required to see through the goals of the proposal, the panel may note this in its comments to NASA. This review may not be used to upgrade proposals for having particularly strong team qualifications, nor may it be used to re-evaluate proposals.

Dual-anonymous peer review, cont.

Any program element that is using DAPR will:

1) clearly indicate that this is the case in the call,
2) contain a special section with detailed instructions about how to prepare proposals,
3) link to a special web FAQ on this subject, at https://science.nasa.gov/researchers/dual-anonymous-peer-review
4) the NSPIRES page of any program using DAPR will host "Guidelines for Anonymous Proposals" under "Other documents".

Dual-Anonymous Virtual Town Halls

1) DAPR for Astrophysics GO/GI programs (those that use the two-phase submission process) on February 27 at 1:00 pm Eastern Time and connection information may be found here.

2) The second, on the implementation of DAPR to the four more conventional ROSES elements (A.30 Earth Science USPI, B.4 HGIO, E.4 HW, and D.2 ADAP) will be March 3, 2020 at 12:30 pm Eastern Time. Connection information may be found under the heading "Community Announcements" and the entry "Virtual Town Hall on Dual-Anonymous Peer Review" at:

https://science.nasa.gov/researchers/sara/grant-solicitations

High Risk/High Impact Review

We asked most of the ROSES-2018 panelists to assess the impact and (intellectual) risk of each proposal. We found that ~10% of proposals were high risk/high impact and those were selected at a higher rate than average (34 vs. 24%).

We were happy to see that, but one potential concern we had about the DAPR was how high-risk/high-impact proposals may do under DAPR. SMD will collect information from proposers and reviewers on (intellectual) risk and impact of ROSES proposals and the Associate Administrator will assemble a special panel to take a second look at select high-risk high-impact proposals that were not selected for funding through the normal review process.

What's New: Appendix A (Earth Science)

Appendix A (Earth Science) a new call for members of a science team for the Global Ecosystem Dynamics Investigation (GEDI) instrument on ISS will be solicited as program element A.8. The Ecological Forecasting call has returned (having not been solicited since 2016) as A.39. Please note that this element is unique in requiring cost sharing. A.30 The Earth Science U.S. Participating Investigator program will evaluate proposals using "dual-anonymous peer review", see Section VI(b) of the SoS. Finally, more program elements than ever before in Appendix A are requiring that proposers use the Earth Science standard templates for the Table of Work Effort and Current and Pending Support, please see Section IV(b)iii of the SoS and the "SARA" web page where these templates maybe downloaded.

What's New: Appendix B

In Appendix B (Heliophysics) new opportunities for GOLD/ICON Guest Investigators and Parker Solar Probe Guest Investigators will be solicited as program elements B.15 and B.16, respectively. In addition, H-FORT has been split into three separate program elements for improved clarity: Low Cost Access to Space (B.9), Flight Opportunities Studies (B.10), and the remaining SmallSats and Rideshare Opportunities (B.11) that retains the name H-FORT. Finally, program element B.4, Heliophysics Guest Investigators-Open will evaluate proposals using "dual-anonymous peer review", see Section VI(b) of the ROSES Summary of Solicitation (SoS).

What's New: Appendix C (Planetary)

In Appendix C (Planetary Science) new participating scientist programs for the Double Asteroid Redirection Test (DART) Mission and the MOMA instrument on the ExoMars rover will be solicited as program elements C.21 and C.25, respectively. A program element for Radioisotope Power Systems Technology is planned for C.22, and what was Near-Earth Objects has been renamed Yearly Opportunities for Research in Planetary Defense (C.24).

What's New: Appendix D (Astrophysics)

In Appendix D (Astrophysics) a new program element for Guest Scientists for the X-Ray Imaging and Spectroscopy Mission (XRISM) is planned for this year in D.12, Astrophysics Explorers U.S. Participating Investigators returns in D.13 and Theoretical and Computational Astrophysics Networks returns in D.14. Finally, all Astrophysics GO/GI programs and D.2 Astrophysics Data Analysis will evaluate proposals using "dual-anonymous peer review", see Section VI(b) of the ROSES Summary of Solicitation (SoS).

What's New: Appendix E (Cross Division)

To Appendix E (Cross Division) three new opportunities will be added this year: E.6, the Science Activation Program Integration, E.7 Support for Open Source Software Tools, Frameworks, and Libraries and E.8 Supplemental Open Source Software Awards. The graduate student research program Future Investigators in NASA Earth and Space Science and Technology (FINESST), that was added to ROSES last year continues as program element E.5. Finally, Habitable Worlds (E.4) will evaluate proposals using "dual-anonymous peer review", see Section VI(b) of the ROSES Summary of Solicitation (SoS).

Keeping track of changes after release: Bold and red in Tables 2 and 3 (examples from last year)

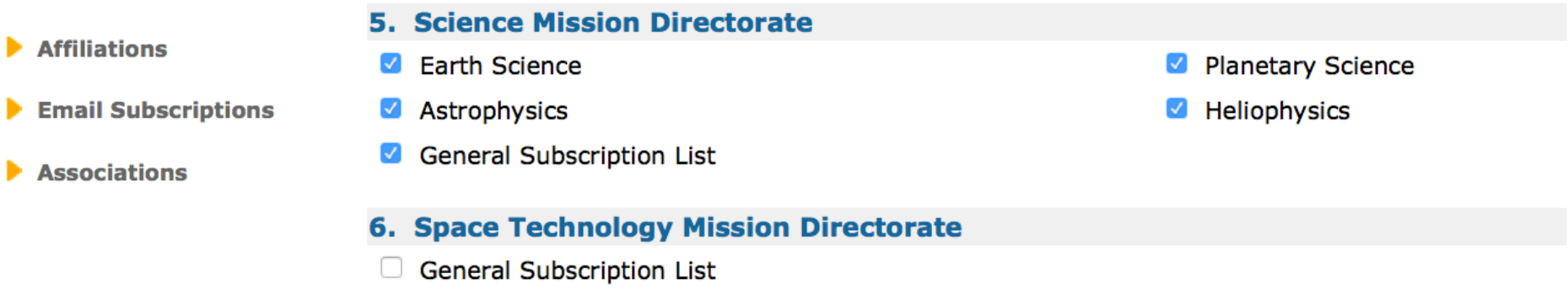
Proposal due date delayed

A.22	Aura Science Team	N/A	**09/19/2019**
C.14	Planetary Science and Technology Through Analog Research [3]	07/25/2019 (Step-1)	10/10/2019 (Step-2)
C.17	Planetary Major Equipment and Facilities: Stand-alone proposals	08/20/2019 (Step-1)	10/22/2019 (Step-2)
A.30	Airborne Instrument Technology Transition	08/28/2019 (mandatory NOIs)	10/24/2019
C.9	Mars Data Analysis [3]	08/22/2019 (Step-1)	10/24/2019 (Step-2)
C.11	Discovery Data Analysis [3]	08/29/2019 (Step-1)	11/01/2019 (Step-2)
D.11	NICER Guest Observer Cycle 2	N/A	11/06/2019
A.23	Terrestrial Hydrology	09/26/2019	11/14/2019
A.32	Interdisciplinary Science in Earth Science	10/15/2019	11/15/2019
C.12	Planetary Instrument Concepts for the Advancement of Solar System Observations [3]	09/20/2019 (Step-1)	11/20/2019 (Step-2)
C.19	Planetary Science Early Career Award Program [3]	N/A	12/02/2019
E.4	Habitable Worlds [3]	11/15/2019 (Step-1)	01/17/2020 (Step-2)
D.9	NuSTAR Guest Observer Cycle 6	N/A	01/24/2020 (Phase-1 via ARK RPS)
C.3	Solar System Workings [3]	11/15/2019	01/30/2020
B.7	**Space Weather Science Applications Operations 2 Research**	**12/16/2019 (Step-1)**	**02/13/2020 (Step-2)**

Final Text April 4, 2019

Changes and Additions to ROSES after release: NSPIRES mailing lists

Any other new program elements added, TBD programs that are finalized, or major changes in scope (or due date) will be announced by an Amendment to ROSES. You will get an email if you subscribe to the SMD mailing list in NSPIRES under "Account Management".



Changes and Additions to ROSES after release: Links to Amendments etc. on the home page

NASA Research Announcement

Research Opportunities in Space and Earth Sciences 2019 (ROSES-2019)

Solicitation: NNH19ZDA001N

Dates

Release	Mar 14, 2019
Close	Mar 27, 2020

Announcement Documents

- DUE DATES: Table 2 lists and links to all program elements in due date order as amended (.HTML)
- DUE DATES: Table 3 lists and links to all program elements in appendix order as amended (.HTML)
- ROSES-2019 Summary of Solicitation (.PDF) -- common requirements for all programs. Updated March 19, 2019
- Full ROSES-2019 document as clarified and amended April 4, 2019 (.PDF)
- → Amendments (As of: April 4, 2019)

Other Documents

- → ROSES-2019 Corrections and Clarifications as of April 4, 2019.
- Grants and Cooperative Agreement Manual (GCAM) (.DOC)
- Link to the page hosting the NRA or Cooperative Agreement Notice Proposers' Guidebook
- Link to Proposed High-End Computing Request Template. See ROSES-2019 Summary of Solicitation Section I(d) for more details on the use of this form.

Changes and Additions to ROSES after release

- NASA 2018 Strategic Plan
- NASA 2014 Science Plan
- NASA Plan for Increasing Access to Results of Federally Funded Research (July 2015)
- Conference Sponsorship Memo
- Dawn Science Team Rules of the Road
- SMD Policy on Late Proposal
- Mars 2020 SDT Charter
- NSPIRES team member commitment guide
- Peer Review Conflicts of Interest
- SMD Peer Review Policy
- SMD Reconsideration Policy
- SPD 15 Center Community Service Policy
- SPD-16 Civil Servant Peer Review Conflict of Interest
- SPD 26A Communications for Missions
- SPD 31 Student Collaboration
- SPD-33 Citizen Science
- How to Submit a Step-1 Proposal
- How to Submit a Step-2 Proposal
- How to Subscribe to the ROSES-2019 Due Date Calendars ←Google due date calendar
- OSIRIS-REx Ephemeris (10 MB | .csv format)
- Planetary Science Division FAQ for Data Management Plans

You are here → (again SARA web page)

- FAQs
- Grant Solicitations
- Announcement of Opportunity
- Grant Stats
- Program Officers List
- How To Guide
- Letters from SARA
- Library and Useful Links
- Fellowship Opportunities
- Volunteer for Review Panels
- Suggest Reviewers for ROSES Science Proposals
- Data & Pubs Rules

Changes and Additions to ROSES after release

ROSES-2020 blog at
http://science.nasa.gov/researchers/sara/grant-solicitations/roses-2020/

ROSES-2020 Amendments, Clarifications, and Corrections

Welcome to SARA's Research Opportunities in Space and Earth Science (ROSES)-2020 blog. If you want to have a list of all of the changes to ROSES-2020 then bookmark this page.

Amendment 1: Heliophysics: Early Career Investigator Program Corrections.

SUN | Feb 21, 2020

The Early Career Investigator Program (ECIP) in Heliophysics is designed to support outstanding scientific research and career development of scientists at the early stage of their professional careers. The program aims to encourage innovative research initiatives and cultivate diverse scientific... Read More

Correction to Program Element C.5 Exobiology

Feb 20, 2020

On February 20, 2020, Sections 1 and 2.2 of ROSES-2020 program element C.5 Exobiology will be corrected to indicate that proposals on the formation of complex organic molecules in space and their delivery to planetary surfaces

Other useful things on the SARA web page at

https://sara.nasa.gov

Volunteer for Review Panels

Welcome to the volunteer reviewer page!

To increase the pool of un-conflicted reviewers we are seeking subject matter experts to serve as on-line reviewers of proposals and/or in-person reviewers to engage in discussions at a face-to-face panel meeting. New researchers including post doctoral fellows and sometimes upper level graduate students are welcome. Just follow the links below to the volunteer review forms and indicate the fields in which you consider yourself to be a subject matter expert and click the boxes. If your expertise matches our program needs NASA will contact you to discuss potential review assignments. Qualified SMEs may, and are encouraged, to volunteer to one or more program reviewer call. If you volunteered in a prior year and were not invited or were invited but not available, please complete a new form(s).
Use the following the links to current program-specific volunteer review forms. NASA periodically updates this page to remove or add volunteer links.

Please direct questions or corrections on this page to SARA@nasa.gov.

We are currently seeking reviewers for:

- Akatsuki Participating Scientist Program (ROSES C.25)
- Exoplanet Research Program (ROSES E.3)
- Future Investigators in NASA Earth Science and Technology (FINESST Earth)
- Future Investigators in Space Science and Technology (FINESST Space)
- Habitable Worlds (ROSES E.4)
- Heliophysics Living With a Star Science (ROSES B.6)

For Researchers

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Volunteer to serve on a review panel, continued

add something that we missed. Please select all relevant area(s) of your expertise: *

- [ ] Atmospheric circulation
- [x] Atmospheric chemistry
- [ ] Atmospheric dynamics
- [ ] Atmospheric measurements
- [ ] Atmospheric modeling
- [ ] Cloud dynamics
- [x] Exoplanets
- [ ] Ground-based observations
- [ ] Ground-penetrating radar
- [ ] Heterodyne spectroscopy
- [x] IR spectroscopy
- [ ] IR imaging
- [ ] Laboratory methods (Please describe in the comment box)
- [ ] Mapping
- [x] Mass spectroscopy
- [ ] Modeling (Please describe in the comment box)
- [ ] Plasma measurements
- [ ] RADAR/THz radar
- [ ] Radiative Transfer

Statistics about prior ROSES

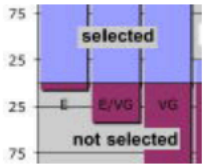
at https://science.nasa.gov/researchers/sara/grant-stats

Grant Stats

←Spreadsheet updated a few times a year

ROSES Selections Data

- Fall 2019 Spreadsheet of Selection Stats by ROSES Program (Excel)
- Fall 2019 Spreadsheet of Selection Stats by ROSES Program (PDF)
- ROSES selections 2008-2015 (PDF)



Plots of grades vs. who gets selected

You can find abstracts of the awards from each ROSES program posted on NSPIRES by following this procedure: go to http://nspires.nasaprs.com/external/ choose solicitations, then choose "Past Solicitations and Selection Dates" and then choose the year you want from the drop-down menu and click the "find" button. This will give you a list of all of the programs for that year. For each one there is a link to a unique NSPIRES

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Example excerpt from grant stats spreadsheet

Remember, it takes a while for review and selection (sometimes waiting on budget) so this tends to be at least 6 months after proposal due date. This year longer cause of shutdown.

Apollo Next Generation Sample Analysis Program	23	9	39%	286	
Astrodynamics in Support of Icy Worlds Missions Step-1	38	37	N/A	N/A	
Astrodynamics in Support of Icy Worlds Missions Step-2	33	4	12%		
Cassini Data Analysis Step-1	79	79	N/A	N/A	
Cassini Data Analysis Step-2	61	18	30%	121	Plus one partial selection
Cassini Data Analysis:PDS Cassini Data Release 54 Step-1	10	9	N/A	N/A	
Cassini Data Analysis: PDS Cassini Data Release 54 Step-2	7	2	29%	125	
Development and Advancement of Lunar Instrumentation Program Step-1	72	72	N/A	N/A	
Development and Advancement of Lunar Instrumentation Program Step-2	48	10	21%	1070	
Discovery Data Analysis Step-1	33	32	N/A	N/A	
Discovery Data Analysis Step-2	22	5	23%	129	plus one partial selection
Emerging Worlds Step-1	161	135	N/A	N/A	
Emerging Worlds Step-2	110	26	24%	187	
Exobiology	156	24	15%	215	
Instrument Concepts for Europa Exploration 2 Step-1	49	48	N/A	N/A	
Instrument Concepts for Europa Exploration 2 Step-2	44	14	32%	1020	
Korea Pathfinder Lunar Orbiter Participating Scientist Program Step-1	40	40	N/A	N/A	
Korea Pathfinder Lunar Orbiter Participating Scientist Program Step-2	26				Launch date delayed review postponed
Laboratory Analysis of Returned Samples Step-1	33	29	N/A	N/A	
Laboratory Analysis of Returned Samples Step-2	26	9	35%	299	
Lunar Data Analysis Step-1	66	63	N/A	N/A	
Lunar Data Analysis Step-2	37	9	24%		a couple selectables remain early 2020
Lunar Surface Instrument and Technology Payloads Step-1	69	61	N/A	N/A	
Lunar Surface Instrument and Technology Payloads Step-2	51	12	24%		
Mars 2020 Returned Sample Science Participating Scientist Program	54	10	19%		
Mars Data Analysis Step-1	160	129	N/A	N/A	
Mars Data Analysis Step-2	103	23	22%	136	Plus one partial selection
Maturation of Instruments for Solar System Exploration Step-1	75	66	N/A	N/A	
Maturation of Instruments for Solar System Exploration Step-2	55	6	11%	1000	
New Frontiers Data Analysis Step-1	44	34	N/A	N/A	
New Frontiers Data Analysis Step-2	25	9	36%	129	
Planetary Data Archiving, Restoration, and Tools Step-1	122	113	N/A	N/A	
Planetary Data Archiving, Restoration, and Tools Step-2	91	16	18%	157	
Planetary Instrument Concepts for the Advancement of Solar System Observations Step-1	124	116	N/A	N/A	
Planetary Instrument Concepts for the Advancement of Solar System Observations Step-2	91	11	12%	318	
Planetary Major Equipment and Facilities Step-1	22	14	N/A	N/A	

Points of contact for ROSES

at https://science.nasa.gov/researchers/sara/program-officers-list/

- Planetary Science R&A Lead: Stephen Rinehart, email, 202-358-1884
- Akatsuki Participating Scientist Program:
  - Lucas Paganini, email, 202-358-3911, bio
  - Adriana Ocampo, email, 202-358-2152, bio
- Apollo Next Generation Sample Analysis (ANGSA) Program: Jeffrey Grossman and Sarah Noble, email: HQ-ANGSA@mail.nasa.gov
- BepiColombo Participating Scientist Program: Shoshana Weider, email, 202-358-1667
- Carl Sagan and Larry Haskin: Curt Niebur, email, 202-358-0390, bio
- Cassini Data Analysis:
  - Preferred email address for CDAP: HQ-CDAP@mail.nasa.gov
  - Henry Throop, email, 202-358-3709
- Concepts for Ocean worlds Life Detection Technology (COLDTech): Meagan Thompson, email, 202-358-1733
- The Double Asteroid Redirection Test (DART) mission Participating Scientist program: Thomas Statler, email, 202-358-0272, bio
- Dawn at Ceres Guest Investigator Program: Michael Kelley, email, 202-358-0607, bio
- Development and Advancement of Lunar Instrumentation (DALI): Ryan Stephan, email, 832-289-5533
- Discovery Data Analysis: Thomas Statler, email, 202-358-0272, bio
- Dynamic Power Convertors For Radioisotope Power Systems: Salvatore Oriti, email and Melissa Merrill, email
- Emerging Worlds (EW)
  - Preferred email address for Emerging Worlds: HQ-EMERGINGWORLDS@mail.nasa.gov
  - Melissa Morris, email, 202-774-8476

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See what won in the past

If there is a particular program of interest to you, simply visit the NSPIRES page of that program element from past years and look under " Selections"

Earth Surface and Interior

Solicitation: NNH18ZDA001N-ESI

Dates

Release	Feb 14, 2018
ESI18 NOIs Due	Apr 13, 2018
ESI18 Proposals Due	May 15, 2018
Selection	Nov 01, 2018

Announcement Documents

- DUE DATES: Table 2 lists all program elements in due date order (.HTML)
- DUE DATES: Table 3 lists all program elements in appendix order (.HTML)
- ROSES 2018 Summary of Solicitation (links corrected October 5, 2018) (.PDF)
- Complete ROSES 2018 NRA as amended and clarified as of February 28, 2019 (.PDF)
- A.1 Earth Science Research Overview (.PDF)
- A.24 Earth Surface and Interior (.PDF)

Selections

- Earth Surface and Interior ←here

https://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=660534/

See what won in the past

But if you don't know of a particular program, you may search the NSSC grant status database to get a list of grants based on key word from the title, university, PI etc.

https://www.nssc.nasa.gov/grantstatus

Thank you

Send questions to SARA@nasa.gov

Please review proposals when called on if you possibly can and are not conflicted. Peer review is at the core of our imperfect but democratic and successful process.

Go to http://sara.nasa.gov and click on "volunteer”

Questions?

Back up slides follow

Redaction Continues

- The parts of ROSES proposals seen by reviewers must not show salary, fringe or overhead.
- The separately uploaded "Total" budget includes those details, but that is not seen by peer reviewers.
- See Section IV(b)iii of the ROSES Summary of Solicitation and the FAQ at https://science.nasa.gov/researchers/sara/how-to-guide/nspires-CSlabor
- Screen Captures follow.

Cover Page Budget

There are three lines for Co-Is at other organizations. First, put funds for Co-I government organizations in lines 8 & 9. Put the funds that pass through your organization in line 5.

Budget Period 1 - F. Other Direct Costs

	Item	Funds Requested ($)
	1. Materials and Supplies	1500
	2. Publication Costs	2000
	3. Consultant Services	
	4. ADP/Computer Services	300
Redacted{	5. Subawards/Consortium/Contractual Costs	600000
	6. Equipment or Facility Rental/User Fees	
	7. Alterations and Renovations	
Redacted{	8. Portion of award for NRL	150000
	9. Portion of award for GSFC	80000
	10. Dont use this line, its not redacted	
	Total Other Direct Costs:	$ 833800
	Total Period 1:	$ 833800
	Total Budget:	$ 833800

From http://science.nasa.gov/researchers/sara/how-to-guide/nspires-CSlabor/

Cover Page Budget

I used Section F line 5, the generic subaward line, for my $60K subcontract to Miskatonic University, not that you can tell, because I could not modify the description of line 5. That this is for M-U will only become apparent later when you read the actual proposal.

Next, I used customizable line 8 for the $150K that will be sent directly to my Co-I at Naval Research Lab and I entered "NRL portion of this award" in the description.

In line 9 I put the GSFC portion of the award and labeled it appropriately.

When the proposal is evaluated by the peer review panel they will not see any of the $ numbers in the Personnel Sections or in Section F lines 5, 8 & 9, all of that will be automatically redacted.

From http://science.nasa.gov/researchers/sara/how-to-guide/nspires-CSlabor/

Budget Details/Justification

Include costs of things (including those in a sub award) in the budget detail/justification in the main proposal PDF e.g., explain why does your Co-I need a $3.5K MDO4000C oscilloscope, vs. a $450 TBS1000B? Also, make reference to the subaward e.g., "0.5 FTE are allocated for Co-I Dr. H. West (Miskatonic, Arkham, Mass) as can be seen the summary table of work effort and full costs are in Section F line 5 of the cover page budget and in the separately uploaded Total Budget pdf file. Costs for labor, fringe and overhead are omitted consistent with ROSES instructions."

Budget Details/Justification

Ditto consultants, no salary, fringe and overhead costs in the main proposal PDF. In the budget justification in the main proposal PDF you explain only the part that is not labor e.g., "The total cost of the consultants Goldshtik and Whorfin of the Banzai Institute is provided in the NSPIRES cover page budget in Section F line 3. The consultancy includes the cost of the rental of an oscillation overthruster from Professor Tohichi Hikita of Nagoya university at $157/hour. This cost is quite reasonable given that similar facilities are twice as expensive.

Total Budget Upload

- The Total Budget PDF is uploaded in exactly the same way that the proposal PDF is uploaded, but by choosing document type "Total Budget", see figure below. This Total Budget file will not be seen by peer reviewers. In general, these budget files are for Step-2 proposals only.

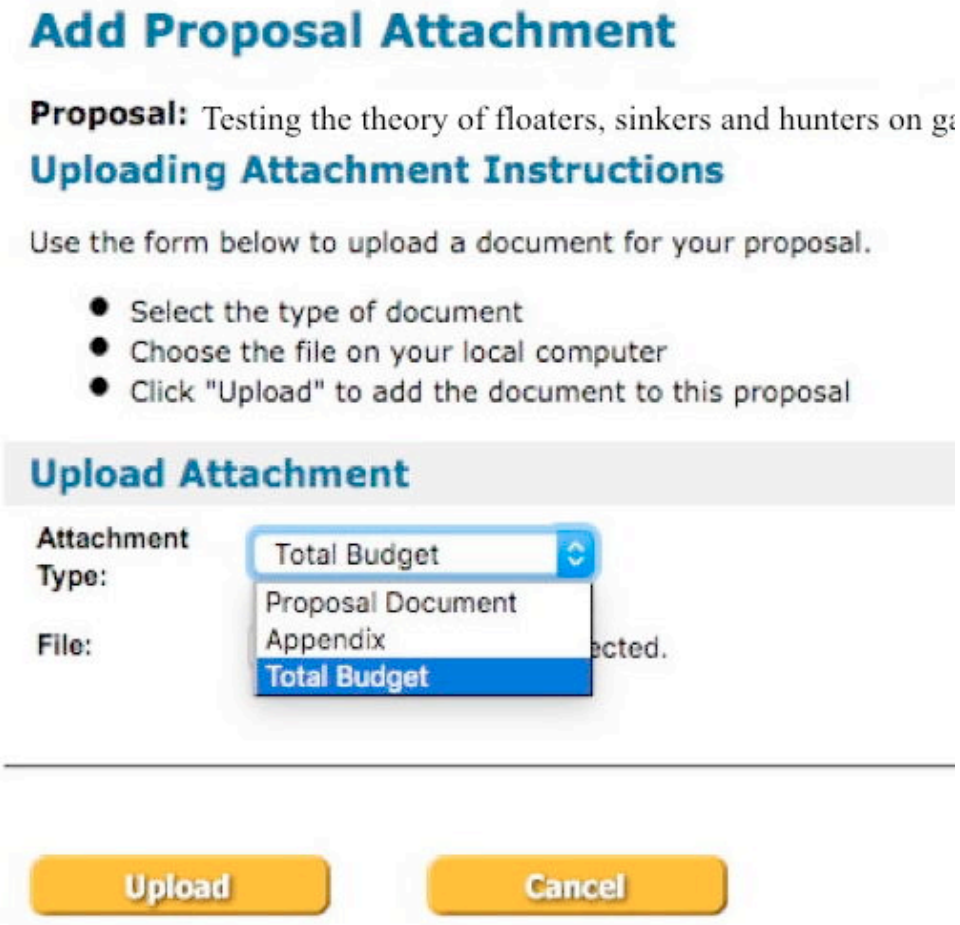

Table of Work Effort

Table of work effort in the main proposal PDF is merely a reporting of all of the planned work commitment, funded by NASA or not. For a very simple example, see Section IV(b)iii of the ROSES summary of Solicitation and templates are available at: http://tinyurl.com/hbnff8u

Note, this table is outside of and is distinct from budget and the page limited main part of proposal, which must describe what work each team member will be doing. That doesn't belong here.

See Templates for the planetary science division on the SARA web page at https://science.nasa.gov/researchers/templates-planetary-science-division-appendix-c-roses-proposals

(very simple) Table of Work Effort

Person and/or Role	Time charged to this proposal	Time not charged to this proposal	Total Time per person/year
PI, Ricci Sanchez	3 months/year	N/A	3 months/year
Co-I, Mortia Smith	4 months/year	N/A	4 months/year
Co-I, Revolio Clockberg Jr.*	N/A	1.5 months/year	1.5 months/year
Collaborator, Daniella Harmon	N/A	de minimis	de minimis
Grad Student, Justine Roilandº	N/A	12 months/year	12 months/year

* A letter of support is provided from the foreign organization Herpson Polytecknic Universität for Prof. Revolio Clockberg Jr. participating at no cost to this proposal.

º The Graduate student from the Citadel is funded by a FINESST award and thus participating at no cost to this proposal.

Order of Precedence

- There is a section I(h) in the Summary of Solicitation, called Order of Precedence: The Guidebook vs. ROSES vs. Program Elements which tells you what to do if ROSES SOS, the guidebook, and or an individual program element disagree:
  Program element > Division Research Overview (e.g., C.1) > SOS > Guidebook.

- FAQs should merely elaborate, not surprise you or contravene a rule in the program element.

Max's personal idiosyncratic advice

- Don't annoy the reviewer.
- Don’t just write a proposal that can be understood, write a proposal that cannot be misunderstood.
- Use figures and tables.
- Have your proposal reviewed by others, who are not experts in your subdiscipline, and then make changes based on what they say.
- I didn't say that you had to make the changes they suggested, I said that you had to make changes.
- Ditto the reviews you get back from us. I could do a whole bunch of slides just on this.
- The inherent uncertainty in the measurement of Merit is $\pm \geq 0.5 \leq 1.0$ (10-20%).

So you just got back your review and…

- You now have proof that the reviewers are morons.
- Yes, but its your responsibility to write a proposal that even a moron can see is excellent.
- Don’t tell the world that your reviewers are morons, because they are your friends on Facebook.
- Don't tell the program officer that your reviewers are morons, because he or she literally used *your* suggestions.
- Vox populi, vox Dei.
- No, there is not enough room for the detail needed.
- Some things are worth saying more than once
- Some things are worth saying more than once
- **Or maybe need to be emphasized with bold or something?**